

Lockheed Aircraft Corp. P.O. Box 105 Sun Valley, California		Engineering Study <input checked="" type="checkbox"/> Change Proposal <input checked="" type="checkbox"/>
No. LAC - 2 Rev. #1	Date 3-5-59	Affected Activities: <input checked="" type="checkbox"/> WSPO <input checked="" type="checkbox"/> Project
Name of Major Component Airplane	Part of Lowest Subassembly Fuel System	Part No. & Model or Type
Title of Proposal: Fuel System Vent		
Nature of Proposal: The fuel vent system will be modified per S.B. 369 & S.B. 372. Details of this modification can be seen in the attached preliminary runs of the two service bulletins involved.		
Reason for Proposal: Engineering studies and flight tests reveal fuel tank pressure on the order of 4 psi and higher which causes fuel to be pumped into the sump tank thru the vent lines. Also, these high pressures simultaneously combined with high load factors could possibly lead to structural damage. The vent system described in S.B. 369 & S.B. 372 will keep these pressures to 2 psi when using LFIA or MIL Spec. 2552 4A fuels.		
<i>See Hqrs Approval no 59-4</i> (Cont. on attached page)		
Estimated Cost and Time Involved Additional Funding Required None	See Cost Recap on Page 2	25X1
Estimated Cost for Kits or Parts Additional Funding Required None	WSPO \$465.00 ea. - Project \$535.00 ea.	
Items Affected by Proposal:	<input checked="" type="checkbox"/> Safety <input checked="" type="checkbox"/> Mission <input type="checkbox"/> Performance Effectiveness <input checked="" type="checkbox"/> Operating Procedure <input type="checkbox"/> Inter- changeability <input checked="" type="checkbox"/> Weight or Weight & Bal. <input type="checkbox"/> Tools & Support Equipment <input checked="" type="checkbox"/> Maintenance Procedure <input type="checkbox"/> Service <input checked="" type="checkbox"/> Pilots Life <input checked="" type="checkbox"/> E & M <input type="checkbox"/> O'Haul <input type="checkbox"/> Parts Handbook Manual Manual Catalog	
Est. Man/Hrs. Req'd. to Accomplish Change in Field		
Source Of Parts For Kit LAC	Availability March 23, 1959	
Spares Affected Yes	Disposition	
Initiated By: LAC	Approved WSPO Project	

Reason for Proposal (cont.)

This will relieve tanks of excess pressure; keep the sump tank overflow light from coming on; eliminate the possibility of ever pumping fuel overboard thru the vent system; keep tanks from developing negative pressure on letdown thus keep low level lite out.

Recap of Fuel Vent Development Costs

Design
Shop
Flight Test
Total

25X1

These costs have been incurred and charged to the existing SP-1918 Contracts, 50% to each customer.

Recap of Kit Costs

WSPO Type \$465.00 ea.
Project Type W/slipper tank prov. \$535.00 ea.